

Mark the best answer.

1. Which expression can be used to represent the phrase “a number divided by 6”? (5-1)
- ☒ A $n \div 6$
B $6n$
C $6 \div n$
D $6 + n$
2. If a bus travels an average of 55 miles per hour for 6 hours, it will travel 6×55 miles. Which of the following is equal to 6×55 ? (5-4)
- A $(6 + 50) \times (6 \times 5)$
B $(6 + 50) - (6 \times 5)$
C $(6 \times 50) - (6 \times 5)$
☒ D $(6 \times 50) + (6 \times 5)$
3. Ceil scored 10 less points than Kathy in a basketball game. Evaluate the expression $x - 10$ for $x = 18$. (5-2)
- A 28
B 18
C 10
☒ D 8
4. When Kerry buys a ticket online she must pay a convenience fee of \$2. If x stands for the original cost of a ticket, which expression tells the total amount she must pay for buying the ticket online? (5-1)
- ☒ A $x + 2$
B $x - 2$
C $x \div 2$
D $2 - x$
5. The expression $n + 6$ tells the age of Tyson when his brother Murray is n years old. How old will Tyson be when Murray is 12 years old? (5-2)
- ☒ A 18
B 12
C 6
D 2
6. What is the first step in evaluating the expression shown below? (5-5)
- $$10 + 3 - 1 \times (2 + 1)$$
- A Add 10 and 3.
B Subtract 1 from 3.
☒ C Add 2 and 1.
D Multiply 1 by 2.

7. What value of n makes the following equation true? (5-4)

$$8 \times 105 = (8 \times 100) + (8 \times n)$$

- A 100
 - B 10
 - C 8
 - D 5**
8. The cost of buying tickets is $10n + 5$ dollars when n is the number of tickets. What is the cost of 6 tickets? (5-3)
- A \$21
 - B \$60
 - C \$65**
 - D \$66
9. There are a total of 21 loaches, goldfish, and angelfish in an aquarium. There are 3 loaches, and there are twice as many goldfish as angelfish. How many goldfish are in the aquarium? (5-6)
- A 3
 - B 6
 - C 9
 - D 12**

10. The expression $n - 8$ can represent which of the following phrases? (5-1)

- A 8 less than n**
- B 8 more than n
- C n divided by 8
- D 8 times n

11. What is the value of the following expression? (5-5)

$$(8 + 2) \times (3 + 1)$$

- A 14
- B 15
- C 31
- D 40**

12. Which expression can be used to represent the phrase “2 more than 6 times the number of people, p ”? (5-3)

- A $6p - 2$
- B $2p + 6$
- C $p + 2 \times 6$
- D $6p + 2$**

13. The expression $5 + 2x$ can be used to represent which phrase? (5-3)

☒ A Five plus two times a number
B Five less than two times a number
C Two more than five times a number
D Two less than five times a number

14. What is the value of $5 + 2m - 1$ when $m = 5$? (5-5)

☒ A 14
B 28
C 34
D 69

15. Which of the following expressions has a value equal to 14? (5-5)

A $(2 + 3) \times (5 - 1)$
B $(2 + 3) \times 5 - 1$
☒ C $2 + 3 \times (5 - 1)$
D $2 + 3 \times 5 + 1$

16. The table shows the cost to camp at a park. Which expression shows the cost of t days? (5-2)

Number of Days	Total Cost
3	\$24
4	\$32
5	\$40

A $t + 8$
B $t + 24$
☒ C $8t$
D $24t$